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Title: Inotropic Antibodies and Therapeutic Uses Thereof

Please delete the Abstract and replace with following Abstract. The abstract is marked to show changes.

Abstract

Antibodies binding to sites on the α -subunit ($\text{Na}^+ + \text{K}^+$)-ATPase increase cardiac contraction of both ventricular myocytes and mouse heart. In particular, antibodies binding to the RSATEEEPPNDD (SEQ ID NO: 1) or DVEDSYGQQWTYEQR (SEQ ID NO: 2) peptides (or isoforms/derivatives thereof) of the α -subunit of the ($\text{Na}^+ + \text{K}^+$)-ATPase, have been found to be highly inotropic. Both the antibodies and the peptides are important for the treatment of human heart failure and other contractile disorders.